

TECHNISCHER KUNDENDIENST

Service-Information



HiFi-Stereo System 2800 985.132 H

Technical data · Caractéristiques principales · Technische Daten Características del aparato · Dati tecnici

Type of set : Three-in-one vertical, combination Type d'appareil : Ensemble compact stéréophonique Geräteart : 3er Vertikal Kompaktanlage Tipo de aparato : Equipo compacto estereofónico Tipo d'apparecchio : Complesso compacto stereofonico				8 kg
Power supply : Alimentation : Stromversorgung : 220 V 50 Hz Alimentación : Alimentazione :		Nominal output power: 2 × 30 W Z _s = 8 Ω Puissance nominale de sortie: Nominale Ausgangsleistung: f = 1 kHz d = 10% Potencia nominale de salida: Potenzia nominale di uscita:		
Frequency response: 40 Hz - 20 kHz Courbe de réponse: 40 Hz - 20 kHz Frequenzgang: 40 Hz - 16 kHz Curva de respuesta: Curva di risposta:		Signal to noise ratio: 58 dB Rapport signal/bruit: 58 dB Geräuschspannungsabstand: 50 dB Relación señal/ruido: Rapporto segnale/disturbo:		
FM 87.5 - 108 MHz FM-FI 10.7 MHz MW 510 - 1630 kHz LW 148 - 270 kHz AM-FI 460 kHz		Alternate channel selectivity : Sélectivité : FM : 46 dB ± 300 kHz Trennschärfe : MW : 35 dB } ± 9 kHz Selectividad : LW : 45 dB } Selettività :		
Sensitivity : Sensibilité : FM-MF : mono 2 μV 26 dB S/N Empfindlichkeit : FM-MF : stéréo 50 μV 46 dB S/N Sensibilidad : LW-GO : 500 μV/m } 20 dB S/N Sensibilità : MW-PO : 300 μV/m }		Stereo separation: Diaphonie: 35 dB Übersprechdämpfung: Diafonia: Diafonia:		
Wow and flutter : 0,15% Fluctuations : 0,15% Gleichlauf : Fluctuaciones : 0,2% Fluttuazioni :		C60 90 s		
System : Type de cellule : AT 3410 Tonabnehmersystem : Magnetic Tipo de capsula : Tipo di cellula :		Rumble signal to noise ratio : 59 dB Rapport signal/ronnement : Rummel-Geräuschspannungsabstand : Relación senal/ronroneo : Rapporto segnale/fruscio :		

NORDMENDE

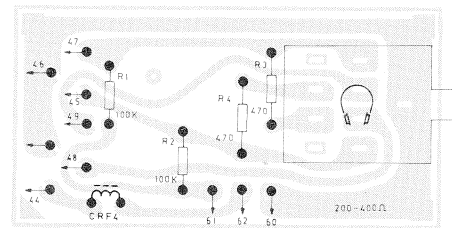
AM alignment						
		30% mod 1000 Hz 	f			
IF FI ZF	1	10 - 100 mV 460 kHz	460 kHz		T216 I	Max.
	2				T216 II	
MW PO	3		510 kHz		T219	max.
	4		1630 kHz		C37	
	5		600 kHz	600 kHz	MW FA	
	6		1400 kHz	1400 kHz	C42	
LW GO	7		148 kHz		CONTROL	max.
	8		270 kHz		C35	
	9		160 kHz	160 kHz	LW FA	
	10		260 kHz	260 kHz	C45	

FM alignment						
			f			
IF FI ZF	1	> 10 mV TP1 - TP2	10,7 MHz		T214	TP3-TP4 10,7 MHz
	2				T103	
	3	< 5 μ V Δf 22,5 kHz < 2,5 μ V	87,5 MHz		T106 I	max
	4		108 MHz		C18	
	5		90 MHz	90 MHz	T106 II	
	6		106 MHz	106 MHz	C10	

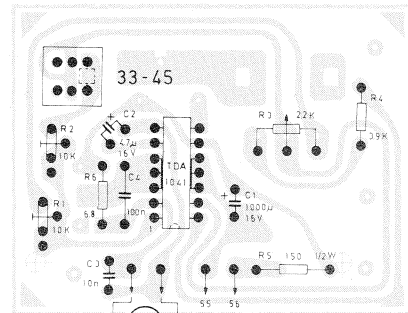
Decoder alignment						
			f			
					R59	TP5 19 kHz $\pm$ 10 Hz

Bias						
	1		Ve = 0V	Osc : "1" pos. normal	T222	TP6 f $\approx$ 69 kHz
	2				R133-R137	TP6 TP7 V $\approx$ 14 mV

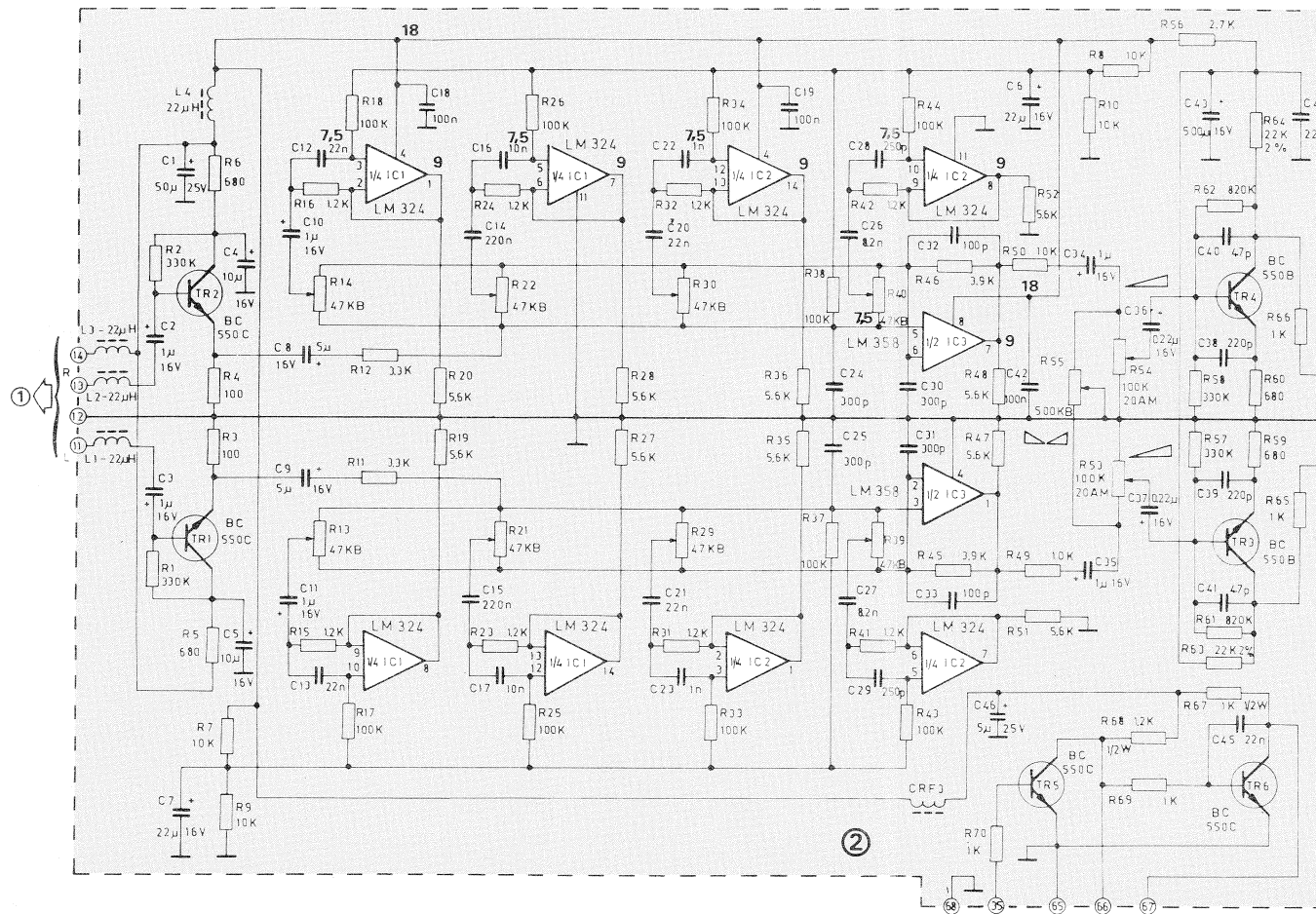
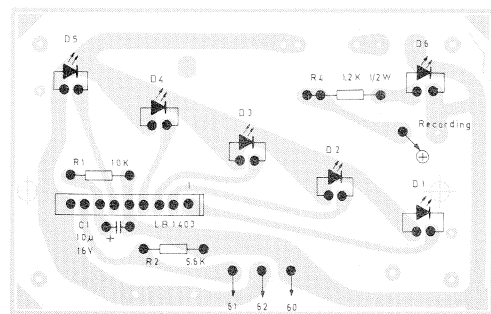
⑧ P.C.B., Headphone-jack
Platine prise-casque
Ltpl. Kopfhörerbuchse
Platina toma auriculares
Piastra presa per cuffia



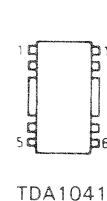
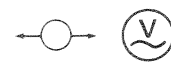
⑥ Motor regulation P.C.B.
Platine regulation moteur
Ltpl. Motorsteuerung
Platina regulación motor
Piastra regolazione motore



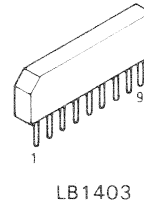
⑦ P.C.B., Output level
Platine indicateur de niveau
Ltpl. Ausgangsleistungsanzeige
Platina indicador de nivel
Piastra indicatore del livello



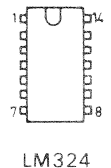
9 V 40 k Ω /V



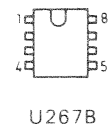
TDA1041



LB1403



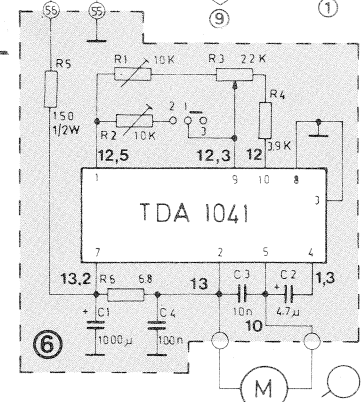
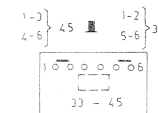
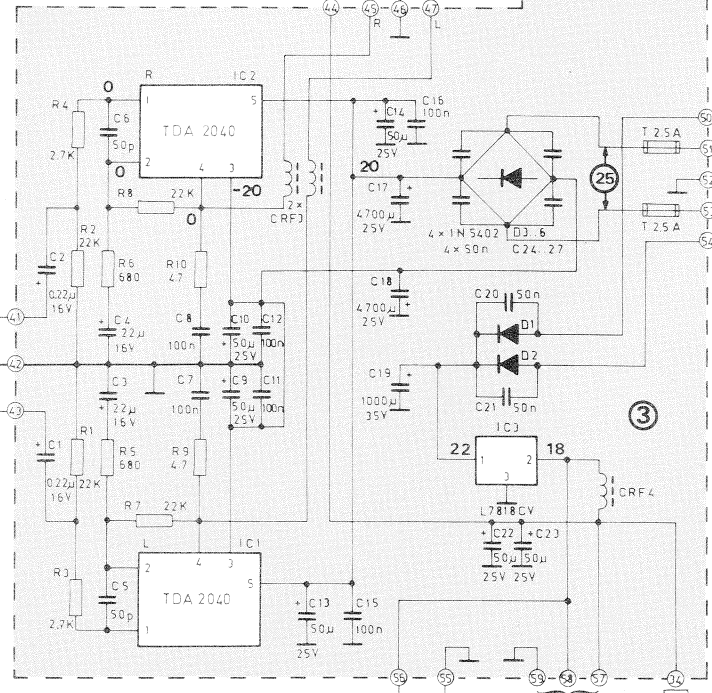
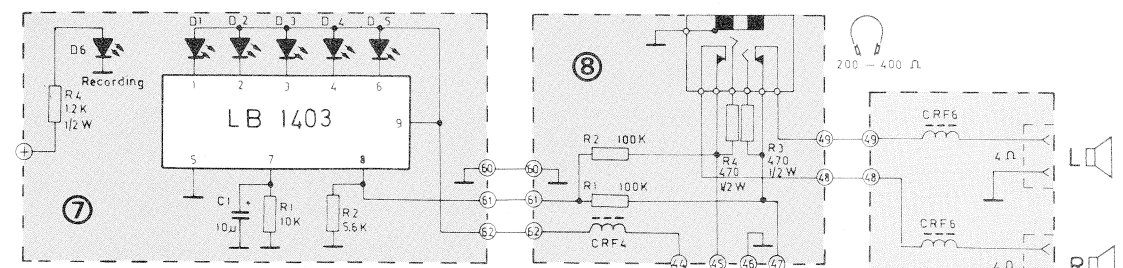
LM324



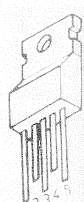
U267B



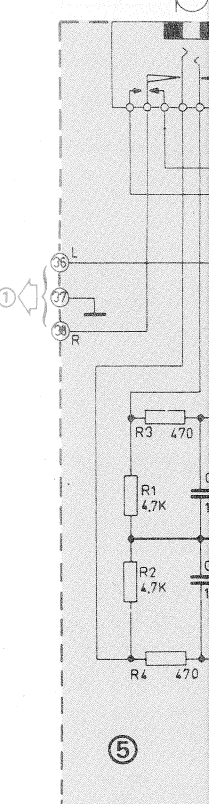
BC550



③ P.C.B., Power
Platine alimentation
Ltpl. Netzteil
Platina alimentación
Piastra alimentazione

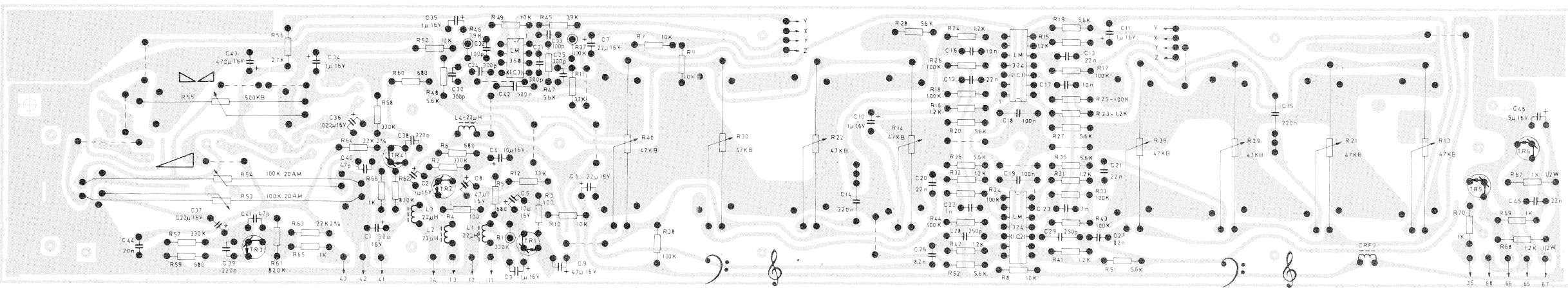


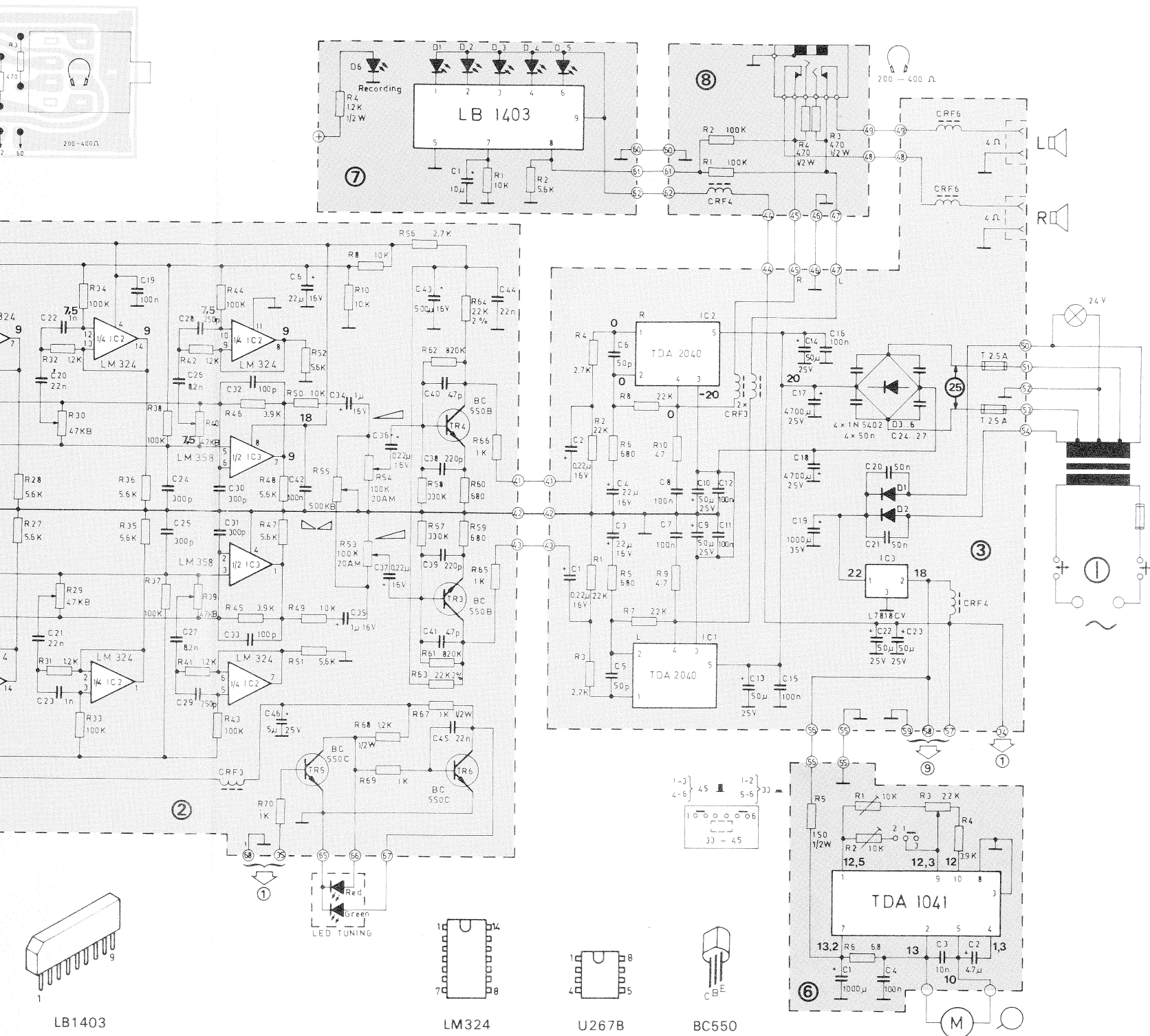
TDA2040



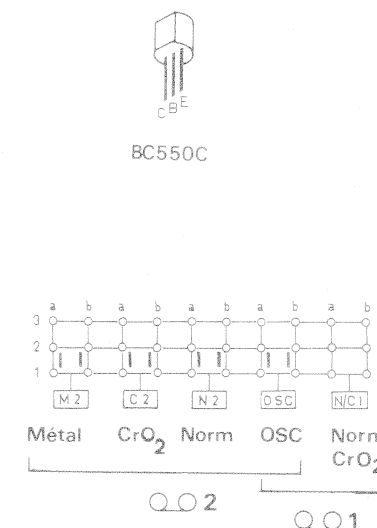
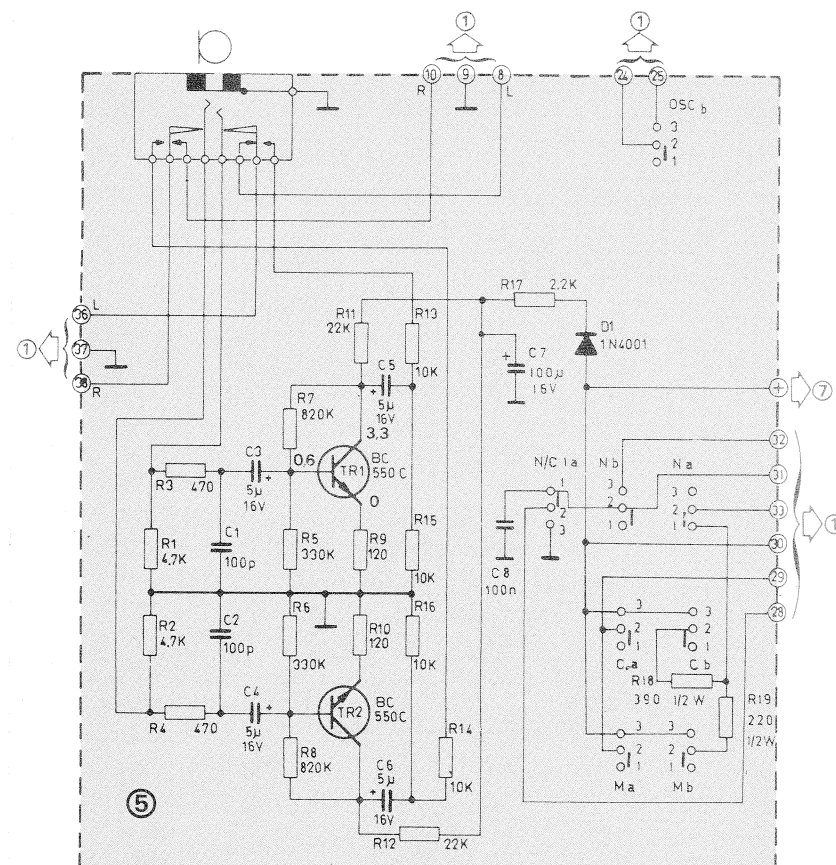
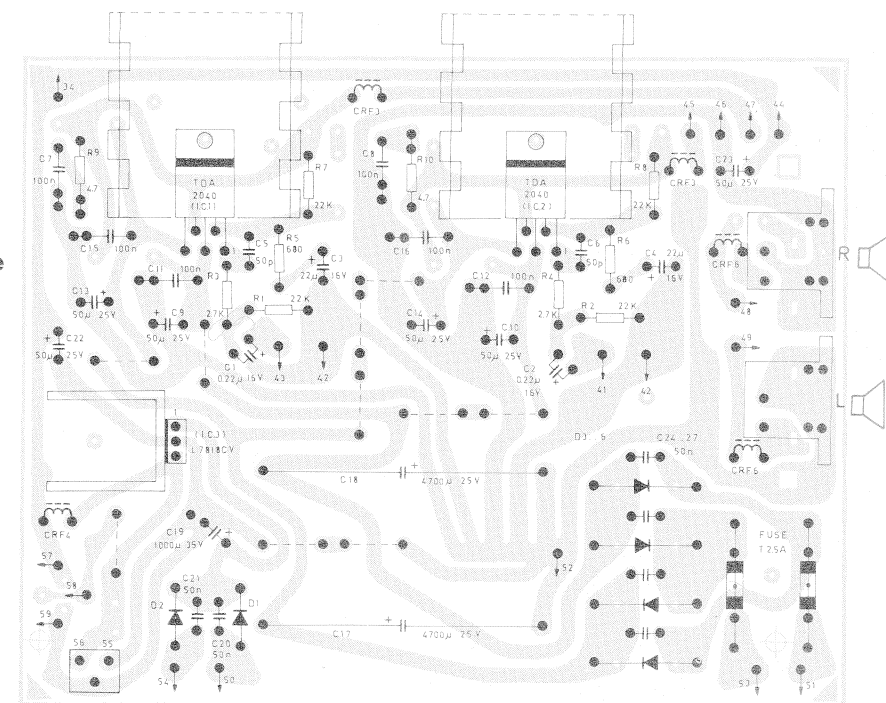
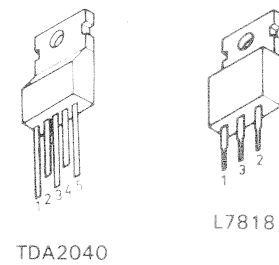
⑤ P.C.B., Micro
Platine prise
Ltpl. Mikrofon
Platina toma
Piastra presa

② P.C.B., Tone
Platine tonalité
Ltpl. Klang
Platina tonalidad
Piastra tonalità

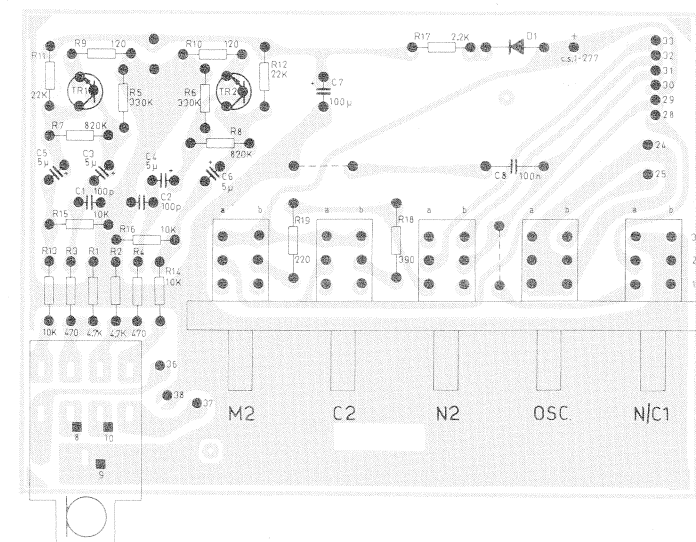


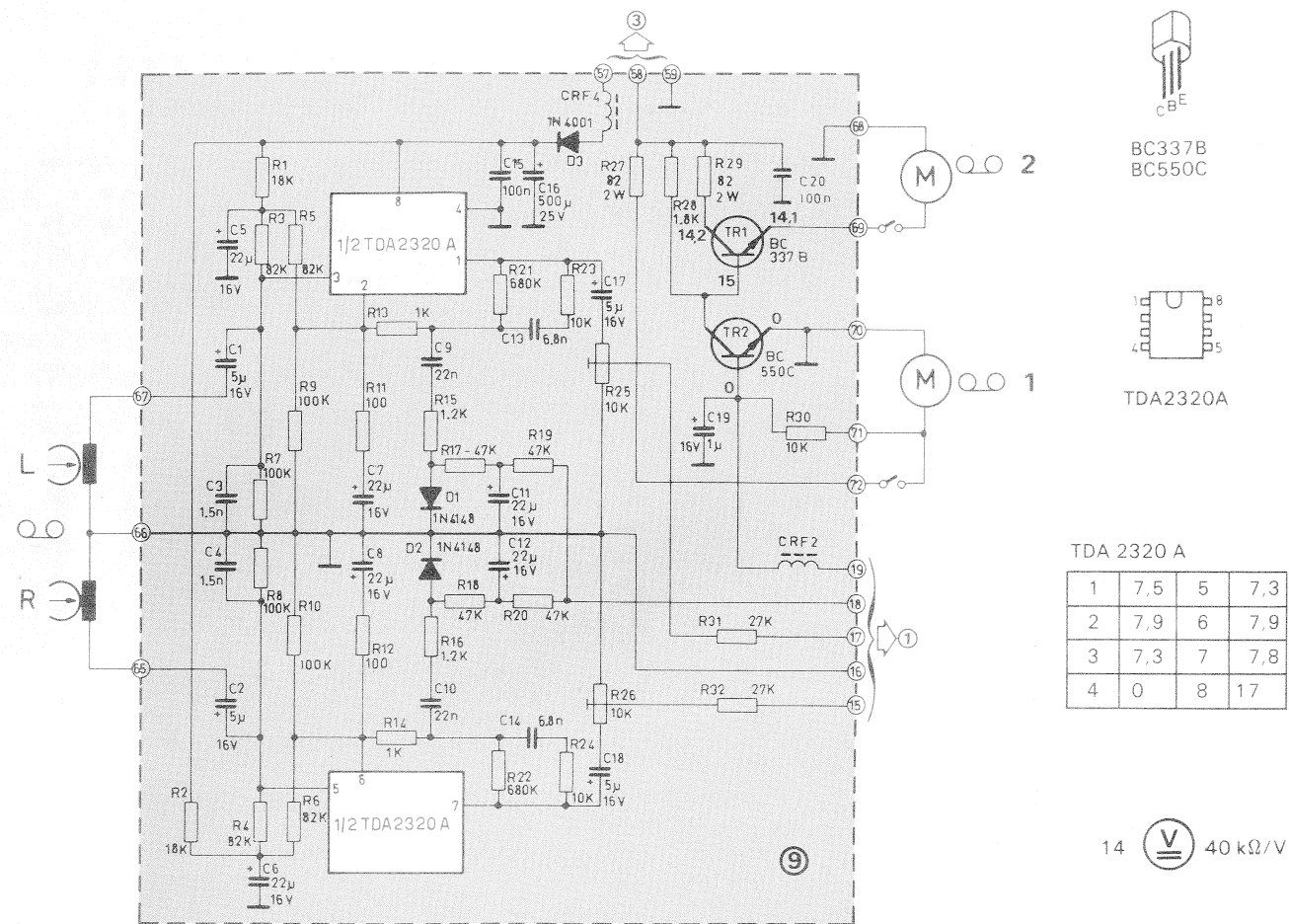


③ P.C.B., Power supply/amplifier
Platine alimentation/amplificateur
Ltpl. Netzteil und Endverstärker
Platina alimentación/amplificador
Piastra alimentazione/amplificatore

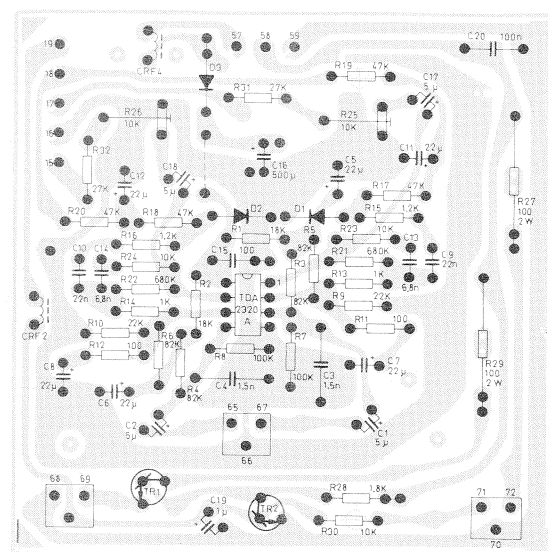
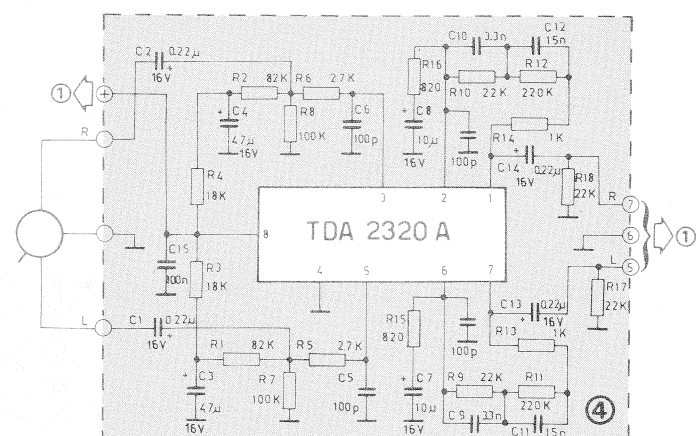


⑤ P.C.B., Micro-jack/bandswitch
Platine prises micro/commutation de bande
Ltpl. Mikrofonbuchsen/Bandwahlschalter
Platina tomas micrófono/commutación de cintas
Piastra prese microfoni/commutazione di nastro

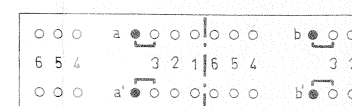
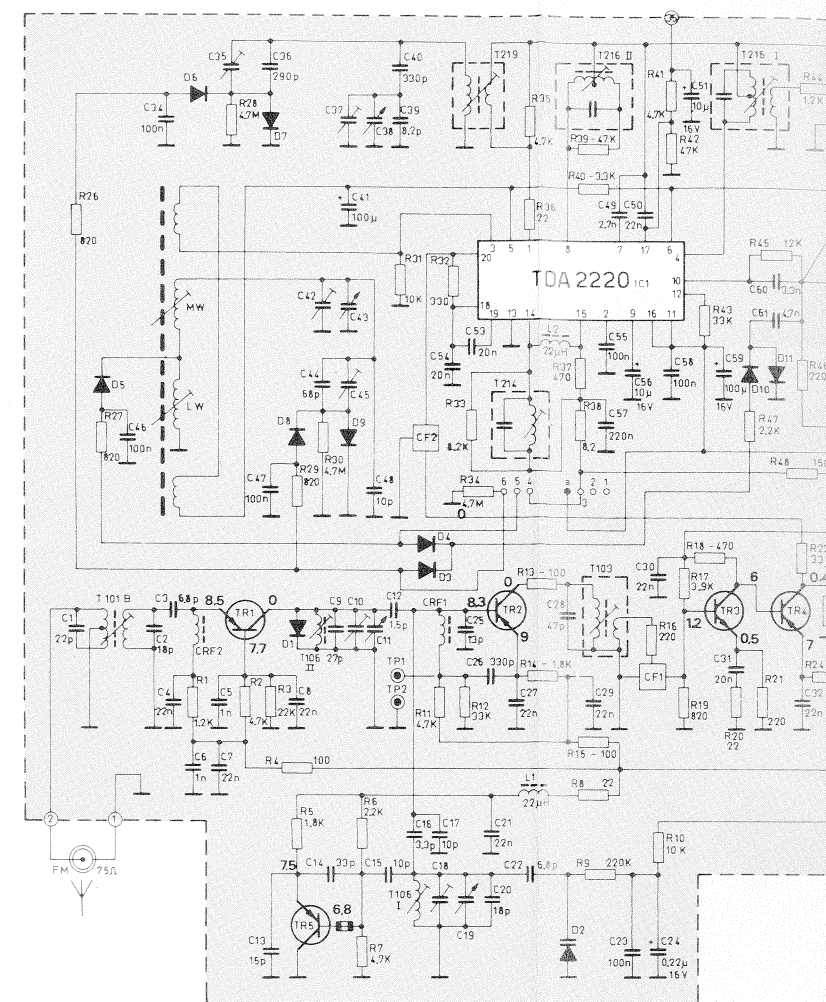
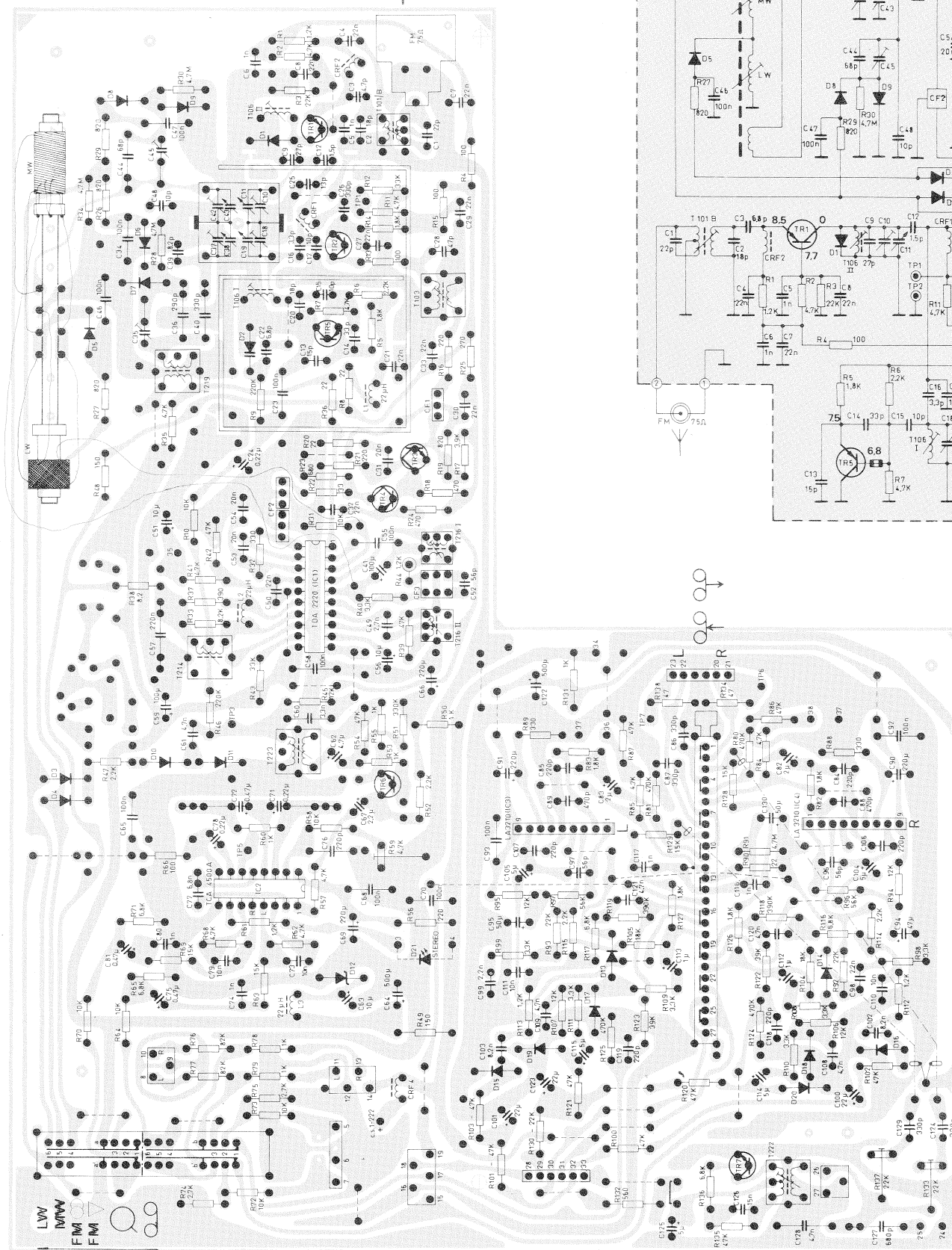
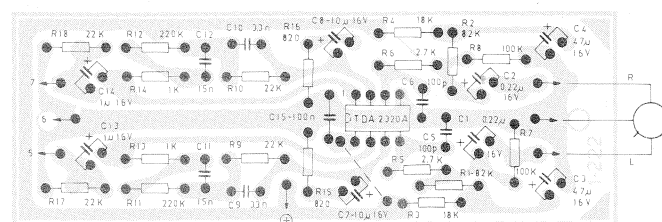




⑨ P.C.B., Tape préamplifier
Platine préampli magnétophone
Ltpl. Recorder-Vorverstärker
Platina préamplificator magnétofono
Piastra préamplificatore



④ P.C.B., Pick-up préamplifier
Platine preamplificateur TD
Ltpl. Plattenspieler-Vorverstärker
Platina préamplificator giradiscos
Piastra préamplificatore giradischi



TR1	TR2-5	TR3
BF 414	BF 506	BF 240

TCA 4500 A					
	AM	FM		AM	FM
1	2	2,6	9	0	2
2	6,2	6,5	10	2,2	2
3	5,1	5,1	11	4,8	4
4	3,3	3,3	12	1,8	2
5	3,3	3,3	13	1,8	2
6	5,1	5,1	14	2,5	2
7	16	0,8	15	0	3
8	0	0	16	10,5	10

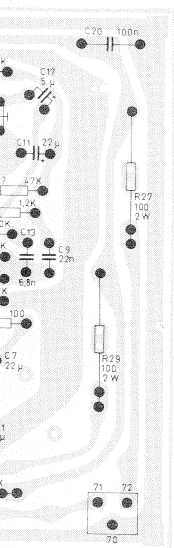
BC337B
BC550C

TDA2320A

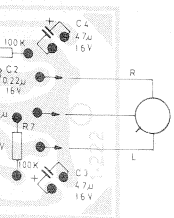
2320 A

7.5	5	7.3
7.9	6	7.9
7.3	7	7.8
0	8	17

40 kΩ/V

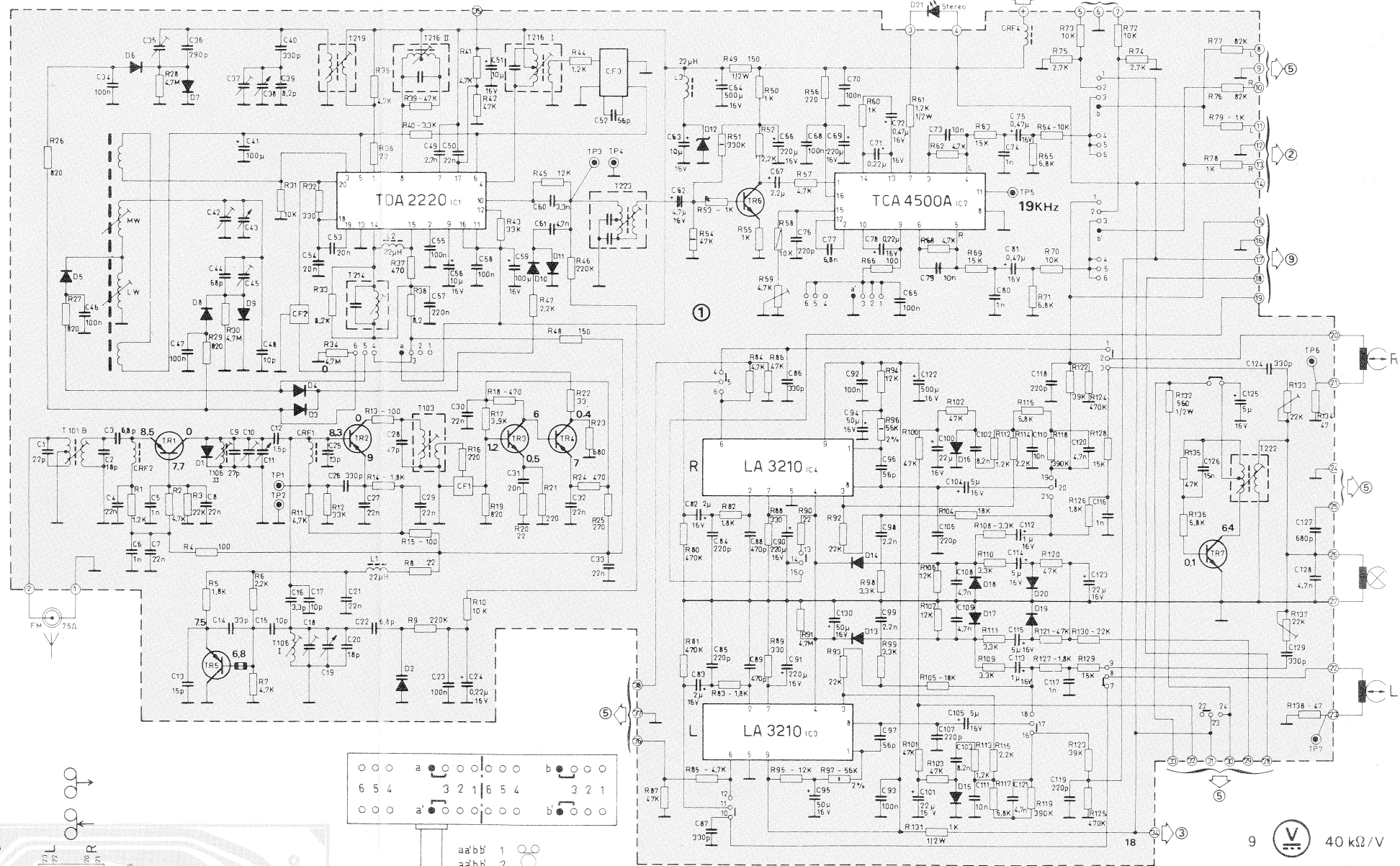
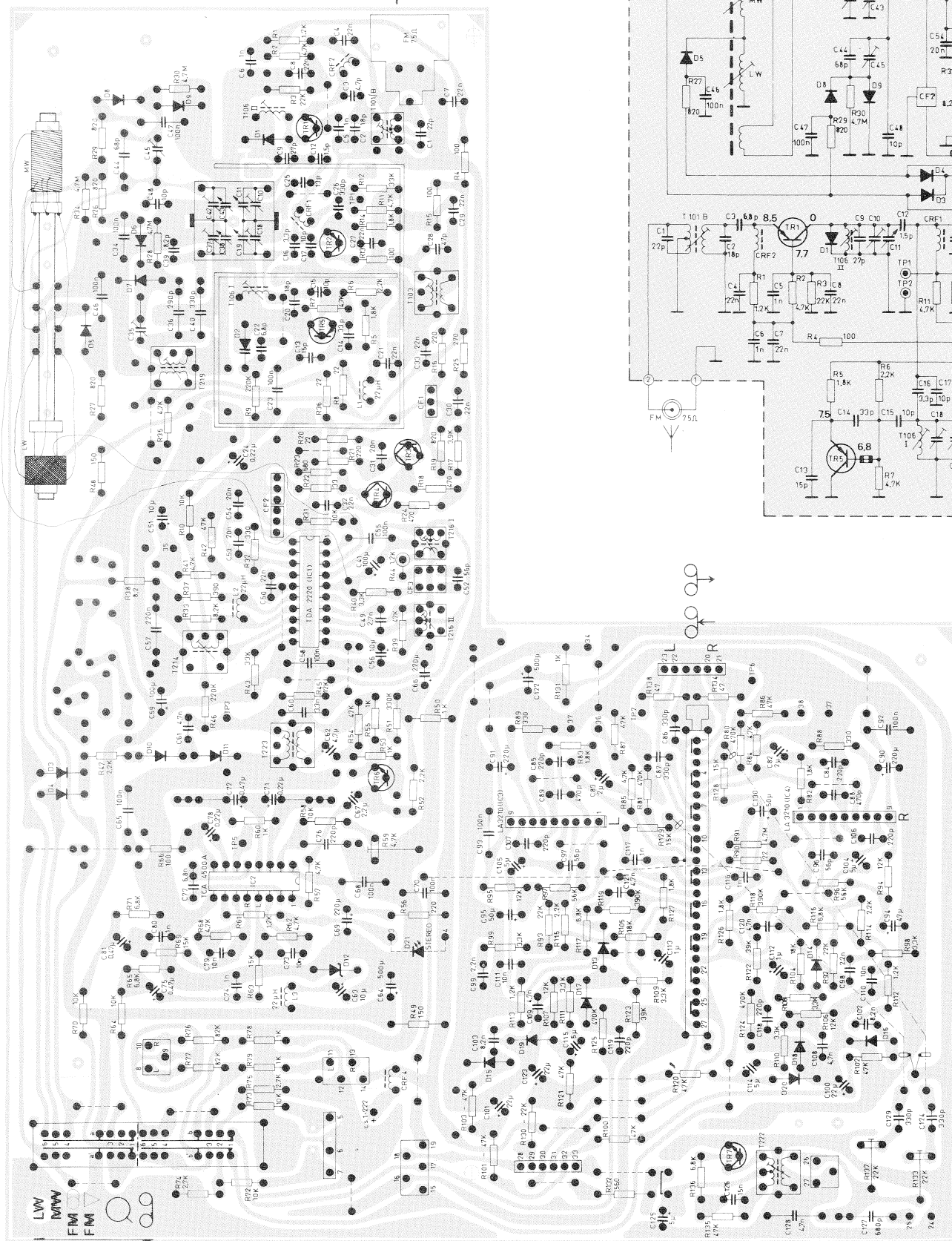


5	8.2
6	8.9
7	8.9
8	17.5



① Main P.C.B.
Platine principale
Grundplatte
Platina principal
Piastra principale

Solder side
Côté cuivre
Lötseite
Lado del cobre
Lato saldature



TR1	TR2-5	TR3	TR4	TR6	TR7	D1-3-4	D2	D5-7-9	D6-8	D10 D20	D12
BF 414	BF 506	BF 240	BF 450	BC 550C	BC 337B	IN 4148	BA 121	BA 223	BA 244	IN 4148	Zener 10 V

TCA 4500 A

	AM	FM		AM	FM
1	2	2.6	9	0	2.5
2	6.2	6.5	10	2.2	2
3	5.1	5.1	11	4.8	4.1
4	3.3	3.3	12	1.8	2.3
5	3.3	3.3	13	1.8	2.3
6	5.1	5.1	14	2.5	2.3
7	16	0.8	15	0	3.5
8	0	0	16	10.5	10.5

TDA 2200

	AM	FM		AM	FM
1	10	10	11	10	10
2	8.5	8.5	12	1	1
3	1.3	0	13	0	0
4	10	10	14	0	10
5	1.3	0	15	0	10
6	1.3	0	16	10	10
7	9	9	17	0	4
8	8.5	8.5	18	8.5	8.5
9	0.8	0	19	8.5	8.5
10	1.8	1.8	20	8.5	8.5

LA 3210

	1	2	2
2	0.6	0.2	
3	0	0	
4	0	0.3	
5	0	0	
6	0	0	
7	0.7	0.2	
8	6.3	6.3	
9	11.4	11.4	

BF253-5

BC337B
BC550C
BF414
BF506

40 kΩ/V
Test Point

TA7137P
LA3210

TDA2200

TCA4500A